

Mailman Date 11/24/03

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>  Sheet <u>1</u> of <u>1</u>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	
		First Named Inventor	Gary Richard Clarke
		Art Unit	
		Examiner Name	
		Attorney Docket Number	ACE-19480

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JST		US- 772,912	10-25-1904	Allam	
		US- 3,561,510	02-09-1971	Johnson	
		US- 5,845,354	12-08-1998	Long et al.	
		US- 6,435,065	08-20-2002	Kozak et al.	
		US- 2002/016429	11-07-2002	Purkapile	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	I <sup>6</sup>
		Country Code <sup>4</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
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Examiner Signature		Date Considered	9/2/04
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